

AUTHORIZATION TO MARK RECOGNIZED COMPONENT

This authorizes the manufacturer to apply the ETL mark to certified products; also to the multiple listee model numbers as listed on the correlation page of the Listing Report where applicable; when made in accordance with the accompanying descriptions and drawings under the conditions set forth in the Certification Agreement herein:

Applicant: AbsolutAire, Inc.
5496 North Riverview Drive
Kalamazoo, MI 49004

Contact: **Name:** Robert T. Jauch Jr. **Phone:** 269-382-1875

Manufacturer: Same as applicant

Contact: **Name:** **Phone:**

Reference Report No.: 3023279-003

Product Covered: Non-Recirculating Direct Gas-Fired Industrial Air Heaters.
Series R, model numbers R followed by: 318,320,327-427, 330-430, 336-436, 340-440, 344-444, 349-449, 354-454, 360-460, 366-466, 373-473, 380-480, 389-489 followed by U or H, followed by O (100% OA constant volume) or V(100% OA variable volume), followed by X (Maxon Burner), E (Eclipse Burner) or M (Midco Burner).

Description: The product covered by this report is a series of gas-fired air heaters utilizing a burner in the air stream such that the products of combustion are diluted in the fresh air passing through the heater. Units are intended for use in industrial and commercial applications. The unit described herein consists of an air handling enclosure with provisions for all inlet air to be ducted directly from the outdoors. Units have a SWSI Airfoil fan powered by up to a 150 HP motor. Blower size and motor horsepower determine unit airflow ratings. Units are equipped with a gas-fired line burner and appropriate gas control devices. Gas input rate is determined by the length of the burner and the manifold pressure. The product is intended to be permanently connected to the electrical and gas supply source.

Fuels: Natural and LP Gas

Unit Configuration: Draw Through, Horizontal or Vertical

Discharge Configurations: Horizontal, Upwards, Downwards, Right or Left

Installation: Indoor or Outdoor

Standard(s): Non-Recirculating Direct Gas-Fired Industrial Air Heaters
ANSI Z83.4-1999/ CSA 3.7-M99
ANSI Z83.4a-2001/ CSA 3.7a-2001

This procedure, with all revisions, etc., is the property of Intertek Testing Services and is intended solely for the guidance of the listee and the representative of Intertek Testing Services, and is not transferable.

Issued by: Intertek Testing Services NA Inc., 3933 US RT 11, Cortland, NY 13045-2014 USA



Authorized by: _____
William T. Starr
Certification Manager

Date: 2/14/09

Control Number: _____

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5496 North Riverview Drive
Kalamazoo, MI 49004

Contact: **Name:** Robert T. Jauch Jr. **Phone:** 269-382-1875

Manufacturer: Same as applicant

Contact: **Name:** **Phone:**

Reference Report No.: 3023279-004

Product Covered: Recirculating Direct Gas-Fired Industrial Air Heaters.
Series R, model numbers R followed by: 318,320,327-427, 330-430, 336-436, 340-440, 344-444, 349-449, 354-454, 360-460, 366-466, 373-473, 380-480, 389-489 followed by U or H, followed by M (Modulating recirculation 15% minimum OA), B(2-Position, minimum 15% or 100% OA) or F(Fixed minimum 15% OA), followed by X (Maxon Burner), E (Eclipse Burner) or M (Midco Burner).

Description: The product covered by this report is a series of gas-fired air heaters utilizing a burner in the air stream such that the products of combustion are diluted in the fresh air passing through the heater. Units are intended for use in industrial and commercial applications. The unit described herein consists of an air handling enclosure with provisions for all inlet air to be ducted directly from the outdoors. Units have a SWSI Airfoil fan powered by up to a 150 HP motor. Blower size and motor horsepower determine unit airflow ratings. Units are equipped with a gas-fired line burner and appropriate gas control devices. Gas input rate is determined by the length of the burner and the manifold pressure. The product is intended to be permanently connected to the electrical and gas supply source. The units are equipped to permit recirculation of air across the burner.

Fuels: Natural and LP Gas

Unit Configuration: Draw Through, Horizontal or Vertical

Discharge Configurations: Horizontal, Upwards, Downwards, Right or Left

Installation: Indoor or Outdoor

Standard(s): Recirculating Direct Gas-Fired Industrial Air Heaters
ANSI Z83.18-2000
ANSI Z83.18a-2001

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Kalamazoo, MI 49004

Contact: **Name:** Robert T. Jauch Jr. **Phone:** 269-382-1875

Manufacturer: Same as applicant

Contact: **Name:** **Phone:**

Reference Report No.: 3023279-001

Product Covered: Non-Recirculating Direct Gas-Fired Industrial Air Heaters.
Series AA, model numbers 1, 2, 3, 4, 5, 6, 7, 8, followed by U or H, followed by O or V, followed by X (Maxon Burner), E (Eclipse Burner) or M (Midco Burner).
Series AA, model numbers 1700, 3000, followed by U or H, followed by O or V, followed by X, E or M.

Description: The product covered by this report is a series of gas-fired air heaters utilizing a burner in the air stream such that the products of combustion are diluted in the fresh air passing through the heater. Units are intended for use in industrial and commercial applications. The unit described herein consists of an air handling enclosure with provisions for all inlet air to be ducted directly from the outdoors. Units have a single, forward curved centrifugal blower powered by up to a 75 HP motor. Blower size and motor horsepower determine unit airflow ratings. Units are equipped with a gas-fired line burner and appropriate gas control devices. Gas input rate is determined by the length of the burner and the manifold pressure. The product is intended to be permanently connected to the electrical and gas supply source.

Fuels: Natural and LP Gas

Unit Configuration: Draw Through, Horizontal or Vertical

Discharge Configurations: Horizontal, Upwards, Downwards

Installation: Indoor or Outdoor

Standard(s): Non-Recirculating Direct Gas-Fired Industrial Air Heaters
ANSI Z83.4-1999/ CSA 3.7-M99
ANSI Z83.4a-2001/ CSA 3.7a-2001

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5496 North Riverview Drive
Kalamazoo, MI 49004

Contact: **Name:** Robert T. Jauch Jr. **Phone:** 269-382-1875

Manufacturer: Same as applicant

Contact: **Name:** **Phone:**

Reference Report No.: 3023279-002

Product Covered: Recirculating Direct Gas-Fired Industrial Air Heaters.
Series AA, model numbers 1, 2, 3, 4, 5, 6, 7, 8, followed by U or H, followed by M (Modulating Minimum 20%), B (2-Position, minimum 20% or 100% OA) or F (Fixed, minimum 20% OA), followed by X, E or M.
Series AA, model number 3000, followed by U or H, followed by M (Modulating Minimum 20%), B (2-Position, minimum 20% or 100% OA), or F (Fixed, minimum 20% OA), followed by X, E or M.

Description: The product covered by this report is a series of gas-fired air heaters utilizing a burner in the air stream such that the products of combustion are diluted in the fresh air passing through the heater. Units are intended for use in industrial and commercial applications. The unit described herein consists of an air handling enclosure with provisions for all inlet air to be ducted directly from the outdoors. Units have a single, forward curved centrifugal blower powered by up to a 75 HP motor. Blower size and motor horsepower determine unit airflow ratings. Units are equipped with a gas-fired line burner and appropriate gas control devices. Gas input rate is determined by the length of the burner and the manifold pressure. The product is intended to be permanently connected to the electrical and gas supply source. The units are equipped to permit recirculation of air across the burner.

Fuels: Natural and LP Gas

Unit Configuration: Draw Through, Horizontal or Vertical

Discharge Configurations: Horizontal, Upwards, Downwards

Installation: Indoor or Outdoor

Standard(s): Recirculating Direct Gas-Fired Industrial Air Heaters
ANSI Z83.18-2000
ANSI Z83.18a-2001

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Authorized by: _____
William T. Starr
Certification Manager

Date: 2/14/09

Control Number: _____

1.0 Reference and Address			
Report Number	3177218CRT-001	Original Issued: 8-Jun-2009	Revised: None
Standard(s)	American National Standard for Recirculating Direct Gas-Fired Industrial Air Heaters ANSI Z83.18 – 2004 with Addenda ANSI Z83.18a-2005 and Addenda ANSI Z18b-2008		
Applicant	AbsolutAire, Inc.	Manufacturer	AbsolutAire, Inc.
Address	5496 N. Riverview Drive Kalamazoo, MI 49004	Address	5496 N. Riverview Drive Kalamazoo, MI 49004
Country	USA	Country	USA
Contact	Mr. Robert J Thayer	Contact	Mr. Robert J Thayer
Phone	(269) 382-1875	Phone	(269) 382-1875
FAX	(269) 382-5291	FAX	(269) 382-5291
Email	rthayer@absolutaire.com	Email	rthayer@absolutaire.com

2.0 Product Description	
Product	Direct Gas-Fired Industrial Air Heater
Brand name	The AbsoluteAire E Series Air Turnover heater
Description	<p>The product covered by this report is a Direct Gas-Fired Industrial Air Heater.</p> <p>The AbsolutAire E Series Air Turnover heater is a permanently connected heater designed for, but not limited to, manufacturing spaces, warehouses, athletic facilities and other similar spaces. The E series uses a direct fired nozzle mixed line burner and minimal outside air to provide the necessary BTUs to overcome space skin loss and axial fans to mix room air with heated air.</p> <p>The E series heater is controlled by a programmable thermostat and standard controls which include; VFD controlled supply air fan, motor overload protection, high and low airflow switches, High temperature limit switch, non-fused disconnect switch, control circuit fusing, burner and combustion air pressure gauges and supply voltage of 120,208, 230,380,460, and 575 Volts, 1 or 3 phase, 50 or 60 Hz.</p> <p>The Standard construction of the E series is heavy gauge aluminized skins, or galvanized steel skin constructed of 24 gauge (0.0276") minimum steel with a minimum of G60 galvanized coating, over heavy duty, custom extruded aluminum framing. Hinged access doors are standard</p> <p>Multiple air filter options: DDC controls, with web access option - Smart stat with BACnet or LONtalk BMS interface Motorized discharge louver blades - Foil faced insulation Internal fan and motor vibration isolation - External 'whole unit' vibration isolation; VFD for combustion blower motor; Through door fused Insulated double wall construction - Discharge extension; Access door interlock switch; Dirty filter light and/or alarm horn and/or m - 120V/10/60Hz GFI service outlet and light - Burner-failure alarm horn Smoke detector Inlet gas pressure gauge - High gas pressure regulator; FM or IRI insurance gas manifold; High and/or low gas pressure Additional OA Damper Assembly Stainless Steel Skins Painted Skin (Enamel, Epoxy or Phenolic); Service Platform; Cooling Coils - DX cooling, CW cooling - Evaporative cooling Piloted Ignition Fuel to be used is natural gas, the unit configuration is blow through, vertical with horizontal inlet These units are intended to be used indoors only.</p>
Models	<p>Model numbers Ex-yy-zz, where: E is the AbsolutAire designation for the series. x designates cabinet size (1,2,3,4, 5, and 6). yy is the BTUh capacity of the burner in 100,000 BTUh multiples, (4, 6, 8,10, 15, 20, 25, 30,35, 40, 45, 50, 55, 60, 65, and 70). For example, 4 is 400,000 BTUh, and 30 is 3,000,000 BTUh. zz is the CFM capacity of the supply fan in 1000 cfm multiples (10,15,20,25,30,35,40,45, 50, 55, 60, 70, 80, 90, 100,110, and 120). For example, 10 is 10,000 cfm and 90 is 90,000 cfm. See selection chart for further detail.</p>
Model Similarity	NA

Intertek ETL SEMKO

Date: 10/2/2006

Mr. Robert T Jauch Jr.
Absolut Aire
5496 N Riverview Dr
Kalamazoo, MI 49004
Phone: (269)382-1875
Fax: (616)3825291

Dear Mr. Jauch:

This is to confirm that Intertek Testing Services has completed our evaluation of your Power ventilator models M1,M2,M3,M4,M5,M6:

Enclosed is one copy of the Listing Report for your records. A copy of this Report will be sent to the ETL Field Representative for use at the time of the Initial Plant Inspection. Please be advised that distribution of copies to the manufacturer(s) is your responsibility.

If you currently have ETL Listings and/or Certifications and you are under Intertek Factory Follow-up Service Program, you or your manufacturer will receive the Authorization to Mark form from our Follow-up Service Department. This form will be forwarded directly to your manufacturing facility. The inspection of this product will be included with your next regularly scheduled follow-up service visit. If you have any questions regarding the Authorization to Mark form, please contact Barb Fritts at (607) 758-6355.

Please note: You are only authorized to apply the ETL Listing or other certification marks to your Power ventilator models M1,M2,M3,M4,M5,M6 after a valid signed Authorization to Mark has been received from Intertek.

Your continued interest in Intertek services is appreciated. Please contact us if you have questions.

Sincerely,



Derek Birdsall
Project Engineer

cc: Certification & Surveillance Services Office, Cortland, NY USA